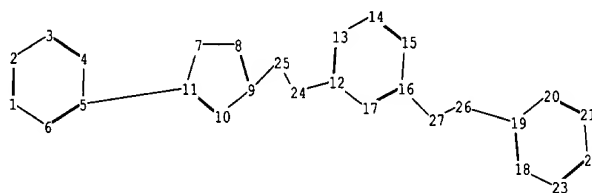
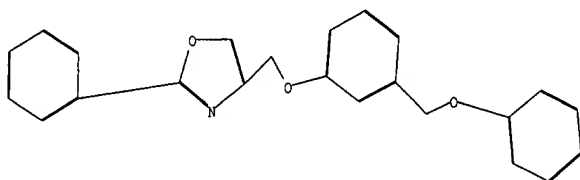


Species search



chain nodes :

24 25 26 27

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

chain bonds :

5-11 9-25 12-24 16-27 19-26 24-25 26-27

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 12-13 12-17 13-14 14-15
15-16 16-17 18-19 18-23 19-20 20-21 21-22 22-23

exact/norm bonds :

7-8 7-11 8-9 9-10 10-11 12-24 19-26 24-25 26-27

exact bonds :

5-11 9-25 16-27

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 18-19 18-23
19-20 20-21 21-22 22-23

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:CLASS

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal611hxl

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'HOME' AT 10:59:09 ON 15 NOV 2002

FILE 'HOME' ENTERED AT 10:59:09 ON 15 NOV 2002

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:59:17 ON 15 NOV 2002

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STRUCTURE FILE UPDATES: 14 NOV 2002 HIGHEST RN 473658-67-2
DICTIONARY FILE UPDATES: 14 NOV 2002 HIGHEST RN 473658-67-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 09724496.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 10:59:45 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 248 TO ITERATE

100.0% PROCESSED 248 ITERATIONS
SEARCH TIME: 00.00.01

8 ANSWERS

L2 8 SEA SSS FUL L1

=> fil caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	140.28	140.49

FILE 'CAPLUS' ENTERED AT 10:59:52 ON 15 NOV 2002
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FILE COVERS 1907 - 15 Nov 2002 VOL 137 ISS 21
FILE LAST UPDATED: 14 Nov 2002 (20021114/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

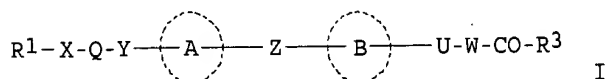
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L3 1 L2

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:521714 CAPLUS
DOCUMENT NUMBER: 137:109278
TITLE: Preparation of alkanolic acid derivatives as preventives and/or remedies for diabetes, hyperlipidemia, impaired glucose tolerance, and retinoid-related receptor regulators
INVENTOR(S): Momose, Yu; Maekawa, Tsuyoshi; Takakura, Nobuyuki; Odaka, Hiroyuki; Kimura, Hiroyuki; Ito, Tatsuya
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 235 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002053547	A1	20020711	WO 2001-JP11611	20011228
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 JP 2002265457 A2 20020918 JP 2001-402099 20011228
 PRIORITY APPLN. INFO.: JP 2000-402648 A 20001228
 OTHER SOURCE(S): MARPAT 137:109278
 GI



AB Alkanoic acid derivs. represented by the general formula (I) or salts thereof [wherein R1 = optionally substituted five-membered arom. heterocyclic group; X = a bond, O, S, CO, C(:S), CR4(OR6), NR6 (wherein R4 = H, optionally substituted hydrocarbyl; R5 = H, hydroxy-protecting group; R6 = H, optionally hydrocarbyl, amino-protecting group); Q = C1-20 divalent hydrocarbon group; Y = bond, O, S, S(:O), SO2, NR7, CONR7, NR7CO, (wherein R7 = H, optionally substituted hydrocarbon group, amino-protecting group); ; ring A = an arom. ring which may have one to three substituents; Z = (CH2)n-Z1 (wherein n = an integer of 1 to 8; Z1 = O, S, SO, SO2, NR16; wherein R16 = H, optionally substituted hydrocarbon group); ring B = an optionally mono- to tri-substituted pyridine, benzene, or naphthalene ring; U = a bond, O, S, SOP, SO2; W = C1-20 divalent hydrocarbon group; R3; R3 = OH, optionally substituted hydrocarbyloxy, NR9R10 (wherein R9, R10 = H, optionally substituted hydrocarbyl, heterocyclyl, or acyl; or R9 and R10 are linked to each other to form a ring); with the proviso that when B is an optionally mono- to tri-substituted benzene ring, U is a bond] are prepd. Also disclosed are preventives and/or remedies for diabetes, hyperlipidemia, and impaired glucose tolerance, retinoid-related receptor regulators, ligands for peroxisome-proliferator response receptor and retinoid X receptor, insulin resistance improvers contg. the compds. I or salts or prodrugs thereof. Thus, a 40% toluene soln. (1.74 g) of di-Et azodicarboxylate was added dropwise to a mixt. of 3-(5-methyl-2-phenyl-4-oxazolylmethoxy)-5-isoxazolylmethanol 0.859, Me 2-(2-hydroxyphenyl)acetate 0.499, Ph3P 0.944, and 15 mL THF at room temp. and stirred for 15 h to give Me 2-[2-[3-(5-methyl-2-phenyl-4-oxazolylmethoxy)-5-isoxazolylmethoxy]phenyl]acetate as an oil which was dissolved in MeOH/THF (1/1, 20 mL), treated with 10 mL 1 N aq. NaOH, stirred at room temp. for 15 h, and acidified with 1 N aq. HCl to give 52% 2-[2-[3-(5-methyl-2-phenyl-4-oxazolylmethoxy)-5-isoxazolylmethoxy]phenyl]acetic acid (II). When a feed contg. 0.005% II was fed freely to type II diabetic mice for 4 days, the blood sugar and lipid level was lowered by 54 and 96%, resp. A capsule and a tablet formulation contg. 2-[2-ethoxy-5-[4-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]acetic acid Me ester were prepd.

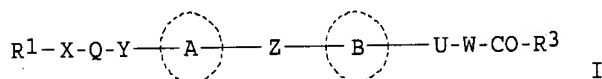
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib abs hitstr 1-
 YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:521714 CAPLUS
 DOCUMENT NUMBER: 137:109278
 TITLE: Preparation of alkanoic acid derivatives as preventives and/or remedies for diabetes, hyperlipidemia, impaired glucose tolerance, and retinoid-related receptor regulators
 INVENTOR(S): Momose, Yu; MaeKawa, Tsuyoshi; Takakura, Nobuyuki;

PATENT ASSIGNEE(S): Odaka, Hiroyuki; Kimura, Hiroyuki; Ito, Tatsuya
 SOURCE: Takeda Chemical Industries, Ltd., Japan
 PCT Int. Appl., 235 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2002265457	A2	20020918	JP 2001-402099	20011228
PRIORITY APPLN. INFO.:			JP 2000-402648	A 20001228
OTHER SOURCE(S):			MARPAT 137:109278	
GI				



AB Alkanoic acid derivs. represented by the general formula (I) or salts thereof [wherein R¹ = optionally substituted five-membered arom. heterocyclic group; X = a bond, O, S, CO, C(:S), CR₄(OR₆), NR₆ (wherein R₄ = H, optionally substituted hydrocarbyl; R₅ = H, hydroxy-protecting group; R₆ = H, optionally hydrocarbyl, amino-protecting group); Q = C₁-20 divalent hydrocarbon group; Y = bond, O, S, S(:O), SO₂, NR₇, CONR₇, NR₇CO, (wherein R₇ = H, optionally substituted hydrocarbon group, amino-protecting group); ; ring A = an arom. ring which may have one to three substituents; Z = (CH₂)_n-Z₁ (wherein n = an integer of 1 to 8; Z₁ = O, S, SO, SO₂, NR₁₆; wherein R₁₆ = H, optionally substituted hydrocarbon group); ring B = an optionally mono- to tri-substituted pyridine, benzene, or naphthalene ring; U = a bond, O, S, SOP, SO₂; W = C₁-20 divalent hydrocarbon group; R₃; R₃ = OH, optionally substituted hydrocarbyloxy, NR₉R₁₀ (wherein R₉, R₁₀ = H, optionally substituted hydrocarbyl, heterocyclyl, or acyl; or R₉ and R₁₀ are linked to each other to form a ring); with the proviso that when B is an optionally mono- to tri-substituted benzene ring, U is a bond] are prepd. Also disclosed are preventives and/or remedies for diabetes, hyperlipidemia, and impaired glucose tolerance, retinoid-related receptor regulators, ligands for peroxisome-proliferator response receptor and retinoid X receptor, insulin resistance improvers contg. the compds. I or salts or prodrugs thereof. Thus, a 40% toluene soln. (1.74 g) of di-Et azodicarboxylate was added dropwise to a mixt. of 3-(5-methyl-2-phenyl-4-oxazolylmethoxy)-5-isoxazolylmethanol 0.859, Me 2-(2-hydroxyphenyl)acetate 0.499, Ph₃P 0.944, and 15 mL THF at room temp. and stirred for 15 h to give Me 2-[2-[3-(5-methyl-2-phenyl-4-oxazolylmethoxy)-5-isoxazolylmethoxy]phenyl]acetate as an oil which was dissolved in MeOH/THF (1/1, 20 mL), treated with 10 mL 1 N aq. NaOH, stirred at room temp. for 15 h, and acidified with 1 N aq. HCl to give 52% 2-[2-[3-(5-methyl-2-phenyl-4-oxazolylmethoxy)-5-isoxazolylmethoxy]phenyl]acetic acid (II). When a feed contg. 0.005% II was fed freely to type II diabetic mice for 4 days, the blood sugar and lipid level was lowered by 54 and 96%, resp. A

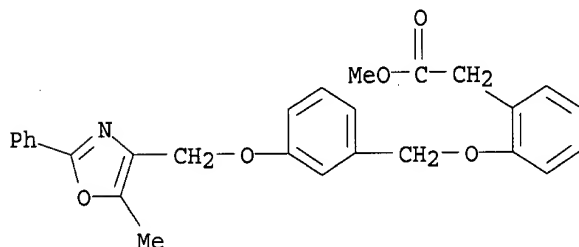
capsule and a tablet formulation contg. 2-[2-ethoxy-5-[4-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]acetic acid Me ester were prepd.

IT 441355-15-3P, 2-[2-[3-[(5-Methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]acetic acid methyl ester
 441355-16-4P, 2-[2-[3-[(5-Methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]acetic acid 441355-17-5P, 2-[3-[3-(5-Methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]acetic acid 441355-18-6P, 3-[2-Ethoxy-5-[3-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]propionic acid 441355-33-5P, 2-[2-[4-Methoxy-3-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]acetic acid 441355-52-8P, 2-[4-[3-[(5-Methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]acetic acid 441355-54-0P, 3-[2-Ethoxy-4-[3-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]propionic acid ethyl ester 441355-55-1P, 3-[2-Ethoxy-4-[3-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]benzyloxy]phenyl]propionic acid
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of alkanolic acid derivs. as retinoid-related receptor regulators and preventive and/or therapeutic agents for diabetes, hyperlipidemia, impaired glucose tolerance, etc.)

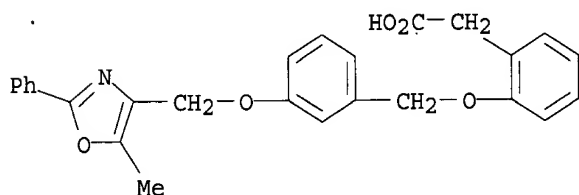
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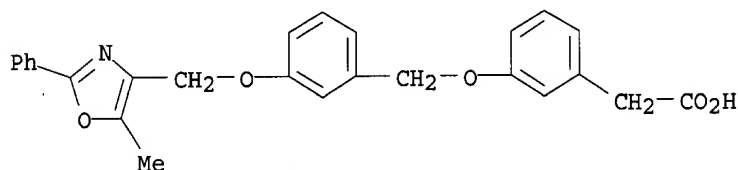
RN 441355-16-4 CAPLUS

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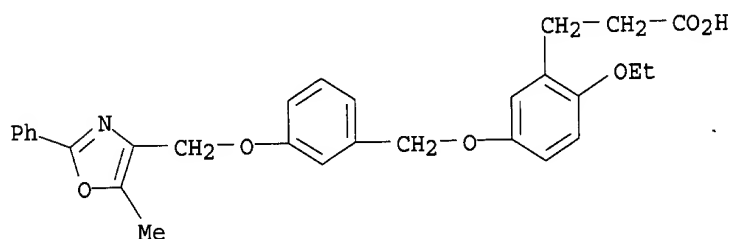


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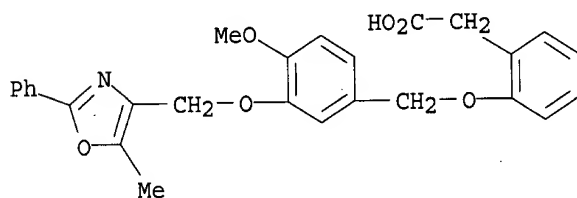
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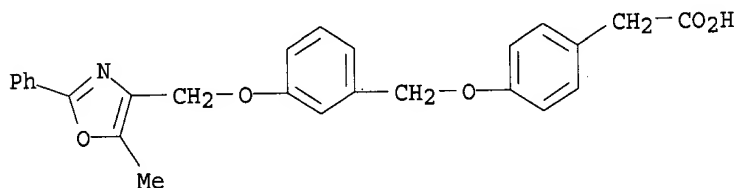
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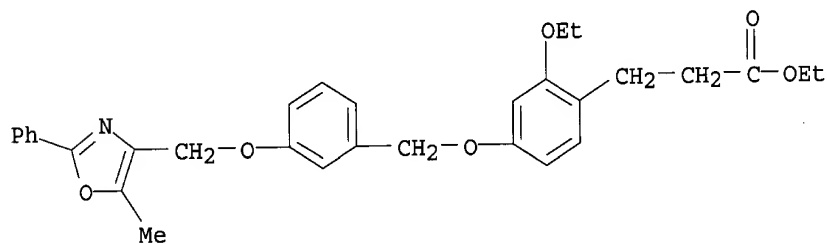
RN 441355-33-5 CAPLUS
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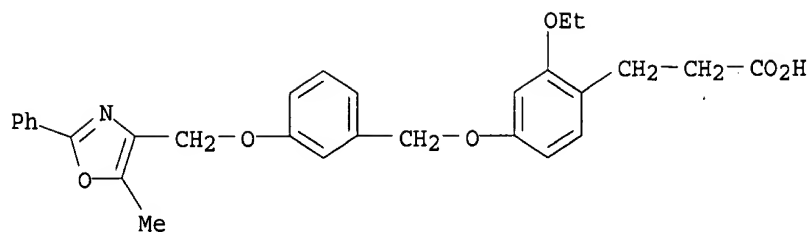
RN 441355-52-8 CAPLUS
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RN 441355-54-0 CAPLUS
 CN Benzenepropanoic acid, 2-ethoxy-4-[[3-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]phenyl]methoxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 441355-55-1 CAPLUS
 CN Benzenepropanoic acid, 2-ethoxy-4-[[3-[(5-methyl-2-phenyl-4-oxazolyl)methoxy]phenyl]methoxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

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SESSION

FULL ESTIMATED COST

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147.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

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-1.24

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